==========

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=6; day=5; hr=15; min=14; sec=13; ms=883;]

==========

****

Reviewer Comments:

<210> 33

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 33

Leu Gly Leu Gly

1

The above <223> response for sequence id# 33 is invalid, please explain Artificial. Please correct any other sequences with similar errors.

****

Validated By CRFValidator v 1.0.3

Application No: 10553710 Version No: 1.0

Input Set:

Output Set:

Started: 2008-05-14 15:02:20.012
Finished: 2008-05-14 15:02:21.466
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 454 ms
Total Warnings: 13
Total Errors: 0
No. of SeqIDs Defined: 37
Actual SeqID Count: 37

Error code		Error Description
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W	213	Artificial or Unknown found in <213> in SEQ ID (36)

SEQUENCE LISTING

<110> Sah, Dinah Wen-Yee
Pepinsky, R. Blake
Rossomando, Anthony

<120> POLYMER-CONJUGATED, GLYCOSYLATED
NEUBLASTIN

<130> 13751-035WO1

<140> 10553710
<141> 2008-05-14

<150> PCT/US04/011745
<151> 2004-04-16

<150> US 60/463,899
<151> 2003-04-18

<160> 37

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> consensus sequence

<220>
<221> VARIANT
<222> 3
<223> Xaa = Gly or Thr

<220>
<221> VARIANT
<222> 4
<223> Xaa = Pro or Arg

<220>
<221> VARIANT
<222> 5
<223> Xaa = Gly or Ser

<220>
<221> VARIANT
<222> 10, 11
<223> Xaa = Ala or Thr

<220>
<221> VARIANT

<222> 12
<223> Xaa = Gly or Asp

<220>
<221> VARIANT
<222> 26, 33
<223> Xaa = Arg or Ser

<220>
<221> VARIANT
<222> 38, 76
<223> Xaa = Val or Ile

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<221> VARIANT
<222> 53
<223> Xaa = Pro or Gln

<220>
<221> VARIANT
<222> 69
<223> Xaa = Pro or Ser

<220>
<221> VARIANT
<222> 103
<223> Xaa = Arg or His

<400> 1
Ala Gly Xaa Xaa Xaa Ser Arg Ala Arg Xaa Xaa Xaa Ala Arg Gly Cys
 1   5   10   15
Arg Leu Arg Ser Gln Leu Val Pro Val Xaa Ala Leu Gly Leu Gly His
            20   25   30
Xaa Ser Asp Glu Leu Xaa Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg
        35   40   45
Arg Ala Arg Ser Xaa His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala
    50   55   60
Gly Ala Leu Arg Xaa Pro Pro Gly Ser Arg Pro Xaa Ser Gln Pro Cys
65   70   75   80
Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser
                85   90   95
Thr Trp Arg Thr Val Asp Xaa Leu Ser Ala Thr Ala Cys Gly Cys Leu
            100   105   110
Gly

<210> 2
<211> 113
<212> PRT
<213> Homo sapiens

<400> 2
Ala Gly Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys
 1   5   10   15
Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His
            20   25   30
Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg

```
        35                  40                  45
Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala
    50                  55                  60
Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys
65                  70                  75                  80
Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser
                85                  90                  95
Thr Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu
            100                 105                 110
Gly
```

<210> 3
<211> 113
<212> PRT
<213> Mus musculus

<400> 3

```
Ala Gly Thr Arg Ser Ser Arg Ala Arg Thr Thr Asp Ala Arg Gly Cys
 1               5                  10                  15
Arg Leu Arg Ser Gln Leu Val Pro Val Ser Ala Leu Gly Leu Gly His
            20                  25                  30
Ser Ser Asp Glu Leu Ile Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg
        35                  40                  45
Arg Ala Arg Ser Gln His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala
    50                  55                  60
Gly Ala Leu Arg Ser Pro Pro Gly Ser Arg Pro Ile Ser Gln Pro Cys
65                  70                  75                  80
Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser
                85                  90                  95
Thr Trp Arg Thr Val Asp His Leu Ser Ala Thr Ala Cys Gly Cys Leu
            100                 105                 110
Gly
```

<210> 4
<211> 113
<212> PRT
<213> Rattus norvegicus

<400> 4

```
Ala Gly Thr Arg Ser Ser Arg Ala Arg Ala Thr Asp Ala Arg Gly Cys
 1               5                  10                  15
Arg Leu Arg Ser Gln Leu Val Pro Val Ser Ala Leu Gly Leu Gly His
            20                  25                  30
Ser Ser Asp Glu Leu Ile Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg
        35                  40                  45
Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala
    50                  55                  60
Gly Ala Leu Arg Ser Pro Pro Gly Ser Arg Pro Ile Ser Gln Pro Cys
65                  70                  75                  80
Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser
                85                  90                  95
Thr Trp Arg Thr Val Asp His Leu Ser Ala Thr Ala Cys Gly Cys Leu
            100                 105                 110
Gly
```

<210> 5
<211> 220
<212> PRT
<213> Homo sapiens

<400> 5
Met Glu Leu Gly Leu Gly Gly Leu Ser Thr Leu Ser His Cys Pro Trp
 1   5   10   15
Pro Arg Arg Gln Pro Ala Leu Trp Pro Thr Leu Ala Ala Leu Ala Leu
            20   25   30
Leu Ser Ser Val Ala Glu Ala Ser Leu Gly Ser Ala Pro Arg Ser Pro
        35   40   45
Ala Pro Arg Glu Gly Pro Pro Pro Val Leu Ala Ser Pro Ala Gly His
    50   55   60
Leu Pro Gly Gly Arg Thr Ala Arg Trp Cys Ser Gly Arg Ala Arg Arg
65   70   75   80
Pro Pro Pro Gln Pro Ser Arg Pro Ala Pro Pro Pro Pro Ala Pro Pro
                85   90   95
Ser Ala Leu Pro Arg Gly Gly Arg Ala Ala Arg Ala Gly Gly Pro Gly
            100   105   110
Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln
        115   120   125
Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu
    130   135   140
Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro
145   150   155   160
His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro
                165   170   175
Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg
            180   185   190
Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val
        195   200   205
Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
    210   215   220

<210> 6
<211> 140
<212> PRT
<213> Homo sapiens

<400> 6
Pro Pro Pro Gln Pro Ser Arg Pro Ala Pro Pro Pro Pro Ala Pro Pro
 1   5   10   15
Ser Ala Leu Pro Arg Gly Gly Arg Ala Ala Arg Ala Gly Gly Pro Gly
            20   25   30
Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln
        35   40   45
Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu
    50   55   60
Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro
65   70   75   80
His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro
                85   90   95
Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg
            100   105   110
Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val

```
        115                 120                 125
Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
    130                 135                 140

<210> 7
<211> 116
<212> PRT
<213> Homo sapiens

<400> 7
Ala Ala Arg Ala Gly Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala
 1               5                  10                  15
Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly
            20                  25                  30
Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly
        35                  40                  45
Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu
    50                  55                  60
Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser
65                  70                  75                  80
Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp
                85                  90                  95
Val Asn Ser Thr Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys
            100                 105                 110
Gly Cys Leu Gly
        115

<210> 8
<211> 112
<212> PRT
<213> Homo sapiens

<400> 8
Gly Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg
 1               5                  10                  15
Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg
            20                  25                  30
Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg
        35                  40                  45
Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly
    50                  55                  60
Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys
65                  70                  75                  80
Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr
                85                  90                  95
Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105                 110

<210> 9
<211> 111
<212> PRT
<213> Homo sapiens

<400> 9
Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu
 1               5                  10                  15
Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser
```

```
            20                  25                  30
Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala
        35                  40                  45
Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala
    50                  55                  60
Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg
65                  70                  75                  80
Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp
                85                  90                  95
Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105                 110
```

<210> 10
<211> 110
<212> PRT
<213> Homo sapiens

<400> 10

```
Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg
 1               5                  10                  15
Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp
            20                  25                  30
Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg
        35                  40                  45
Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu
    50                  55                  60
Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro
65                  70                  75                  80
Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg
                85                  90                  95
Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105                 110
```

<210> 11
<211> 109
<212> PRT
<213> Homo sapiens

<400> 11

```
Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser
 1               5                  10                  15
Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu
            20                  25                  30
Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser
        35                  40                  45
Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg
    50                  55                  60
Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr
65                  70                  75                  80
Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr
                85                  90                  95
Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105
```

<210> 12
<211> 108
<212> PRT

<213> Homo sapiens

<400> 12
Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln
 1   5   10   15
Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu
            20   25   30
Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro
        35   40   45
His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro
    50   55   60
Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg
65   70   75   80
Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val
                85   90   95
Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100   105

<210> 13
<211> 107
<212> PRT
<213> Homo sapiens

<400> 13
Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu
 1   5   10   15
Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val
            20   25   30
Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His
        35   40   45
Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro
    50   55   60
Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr
65   70   75   80
Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp
                85   90   95
Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100   105

<210> 14
<211> 106
<212> PRT
<213> Homo sapiens

<400> 14
Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu Val
 1   5   10   15
Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val Arg
            20   25   30
Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His Asp
        35   40   45
Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro
    50   55   60
Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu
65   70   75   80
Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp Arg
                85   90   95

```
Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105

<210> 15
<211> 105
<212> PRT
<213> Homo sapiens

<400> 15
Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro
 1               5                  10                  15
Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe
            20                  25                  30
Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu
        35                  40                  45
Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro Gly
    50                  55                  60
Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu Ala
65                  70                  75                  80
Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp Arg Leu
                85                  90                  95
Ser Ala Thr Ala Cys Gly Cys Leu Gly
            100                 105

<210> 16
<211> 104
<212> PRT
<213> Homo sapiens

<400> 16
Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro Val
 1               5                  10                  15
Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe Arg
            20                  25                  30
Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu Ser
        35                  40                  45
Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro Gly Ser
    50                  55                  60
Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val
65                  70                  75                  80
Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp Arg Leu Ser
                85                  90                  95
Ala Thr Ala Cys Gly Cys Leu Gly
            100

<210> 17
<211> 103
<212> PRT
<213> Homo sapiens

<400> 17
Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro Val Arg
 1               5                  10                  15
Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe Arg Phe
            20                  25                  30
Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu Ser Leu
        35                  40                  45
```

```
Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg
    50                  55                  60
Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser
65                  70                  75                  80
Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp Arg Leu Ser Ala
                85                  90                  95
Thr Ala Cys Gly Cys Leu Gly
            100
```

<210> 18
<211> 102
<212> PRT
<213> Homo sapiens

<400> 18

```
Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala
 1               5                  10                  15
Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys
            20                  25                  30
Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu
```